MARTIN YATES, III

FRANK W. YATES 1936-1986

> S.P. YATES 1914-2008



105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210-2118

TELEPHONE (575) 748-1471

www.yatespetroleum.com

September 11, 2013

Mr. Mike Bratcher NMOCD District II 811 South First Street Artesia, NM 88210

JOHN A. YATES

CHAIRMAN EMERITUS JOHN A. YATES JR.

CHAIRMAN OF THE BOARD PRESIDENT

JOHN D. PERINI

EXECUTIVE VICE PRESIDENT

CHIEF FINANCIAL OFFICER

JAMES S. BROWN CHIEF OPERATING OFFICER

RE: Dolores AIL Federal #1 Tin Horn

30-015-26547

Section 14, T22S-R31E Eddy County, New Mexico

Mr. Bratcher,

Yates Petroleum Corporation would like to submit the following plan of work to you regarding the release that occurred at the above mentioned facility on April 21, 2013. The release was 20 barrels of produced water and 1 barrel of oil with no amount recovered.

Initial TPH/BTEX and Chloride delineation samples were taken and were sent to a NMOCD approved facility, analytical results are enclosed for your review.

Yates Petroleum Corporation proposes to do the following work:

- 1. Excavate nothing from the production pad. Section 1 of the pad had low levels of chlorides. Section 2 of the pad did show slightly elevated levels at 1', but this will be taken care of when the location is plugged and abandoned. At this time, Yates will scrape the production pad and back drag the surface.
- 2. Excavate nothing from Section 3. This is the area next to the lease road where the release flowed. The first 3' of the release area had decent chloride levels making this a good 3' cap for the elevated levels we sampled at 4'.
- 3. Excavate 4' vertically from Section 2. This is the area to the east of the buried flow line.
- 4. Use the first 3' from section 1 to backfill section 2. Remove the 4' (21,000 ppm) and dispose. Like materials will be brought in to complete backfill of both section 1 and 2.

Due to an Agave gas line being buried in the same trench as Yates' water line, Yates will have to backfill each section as we excavate. Agave will not let us leave an excavation around their line open for an extended period of time.

The impacted soils excavated will be disposed of at a NMOCD approved facility. After excavation and disposal, the excavation would be backfilled with clean, like materials. The site would then be

added to our seeding list for 2014, as Yates Petroleum has already completed seeding for 2013. The area would then be monitored for re-vegetation.

If you have any questions or concerns, I can be reached at (575) 748-4111 or by email at acannon@yatespetroleum.com.

Thank You,

Amber Cannon

Environmental Regulatory Agent Yates Petroleum Corporation

mber Cannon

Enclosure(s): 3

cc: Jim Amos, BLM - Carlsbad District Office



X - D-1', D-2', D-3', D-4', D-5', D-6'

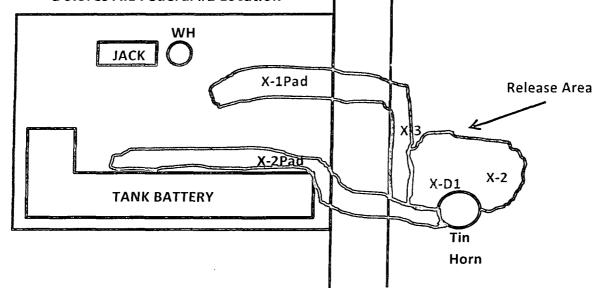
X - Dolores 2-1, 2-2, 2-3, 2-4, 2-5, 2-6

X - Dolores 3-1, 3-2, 3-3, 3-4

X - Dolores 1-1 Pad, Dolores 1-2 Pad

X – Dolores 2-1 Pad, Dolores 2-2 Pad

Dolores AIL Federal #1 Location





Dolores AIL Federal #1 Tin Horn

30-015-26547

Section 14, T22S-R31E

Eddy County, NM

Prepared by Amber Cannon Environmental Regulatory Agent

DRAWING NOT TO SCALE

DOLORES AIL FEDERAL #1 (BATTERY) - Tin Horn

Cardinal Laboratories

Analytical Report- H301096	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
D-1'	Release Area	5/6/2013	GRAB	1'	ND	ND	14.4	14.4	144
D-2'	Release Area	5/6/2013	GRAB	2'	ND	ND	ND	ND	288
D-3'	Release Area	5/6/2013	GRAB	3'	ND	ND	ND	ND	368
D-4'	Release Area	5/6/2013	GRAB	4'	ND	ND	ND	ND	21,200
D-5'	Release Area	5/6/2013	GRAB	5'	ДИ	ND	ND	ND	6160
D-6'	Release Area	5/6/2013	GRAB	6'	ND	ND	ND	NĐ	1780

Analytical Report- H302033	Sample Area	Sample Date	Sample Type	Depth	Chlorides
Dolores 2-1	Release Area	8/22/2013	GRAB	1'	3,200
Dolores 2-2	Release Area	8/22/2013	GRAB	2'	3,600
Dolores 2-3	Release Area	8/22/2013	GRAB	3'	2,080
Dolores 2-4	Release Area	8/22/2013	GRAB	4'	4,120
Dolores 2-5	Release Area	8/22/2013	GRAB	5'	720
Dolores 2-6	Release Area	8/22/2013	GRAB	6'	16
Dolores 3-1	Release Area	8/22/2013	GRAB_	1'	704
Dolores 3-2	Release Area	8/22/2013	GRAB	2'	1,100
Dolores 3-3	Release Area	8/22/2013	GRAB	3'	1,600
Dolores 3-4	Release Area	8/22/2013	GRAB	4'	9,040
Dolores 1-1 Pad	Release Area	8/22/2013	GRAB	1'	784
Dolores 1-2 Pad	Release Area	8/22/2013	GRAB	2'	304
Dolores 2-1 Pad	Release Area	8/22/2013	GRAB_	1'	2160
Dolores 2-2 Pad	Release Area	8/22/2013	GRAB	2'	800

Site Ranking is ZERO (0). Depth to Ground Water >100' (approx. 448' NMOSE).

All results are ppm.Chlorides for documentation.

Released: 20 B/PW, 1 B/O; Recovered: 0 B/PW, 0 B/O. Release Date: 4/21/13



May 10, 2013

AMBER CANNON

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: DELORES AIL FEDERAL BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/08/13 11:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celes D. Kena

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Yates Energy Petroleum Corp AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

05/08/2013

Sampling Date:

05/06/2013

Reported:

05/10/2013

Sampling Type:

Soil

Project Name:

DELORES AIL FEDERAL BATTERY

Sampling Condition:

Cool & Intact

Project Number:

30-015-26547

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY

Sample ID: D-1' (H301096-01)

Chloride	SM4500CI-B	
Cilionae,	コいインリリンコーレ	

Chloride, SM4500CI-B	mg	/ kg	Anaiyze	ed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/10/2013	ND	416	104	400	3.77	
	•								

Amalumed Dur DW

Sample ID: D-2' (H301096-02)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	05/10/2013	ND	416	104	400	3.77	

Sample ID: D-3' (H301096-03)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	05/10/2013	ND	416	104	400	3.77	

Sample ID: D-4' (H301096-04)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	21200	16.0	05/10/2013	ND	416	104	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Uability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for neptigence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptoons, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Yates Energy Petroleum Corp AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

05/08/2013

Sampling Date:

05/06/2013

Reported:

05/10/2013

Sampling Type:

Soil

Project Name:

DELORES AIL FEDERAL BATTERY

Sampling Condition:

Cool & Intact

Project Number:

30-015-26547

Sample Received By:

Jodi Henson

Project Location:

Analyte

EDDY COUNTY

Sample ID: D-5' (H301096-05)

Chloride, SM4500CI-B

mg/kg

Analyzed By: DW

True Value QC % Recovery

Chloride

Result 6160 Reporting Limit 16.0

Analyzed 05/10/2013 Method Blank ND

BS 416

104

400

Qualifier

Sample ID: D-6' (H301096-06)

Analyte

Chloride, SM4500Cl-B

mg/kg

Analyzed By: DW

Analyzed Method Blank

BS

True Value QC % Recovery

RPD

RPD

3.77

Qualifier

Chloride

Result Reporting Limit 1780

16.0 05/10/2013 ND

416

104

400

3.77

Cardinal Laboratories

*=Accredited Analyte

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Celeg & Keens

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celeg & Keine

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(505) 393-2326 FAX (505) 393-2476

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AINI OF	CHICT	$\alpha \alpha \nu \rho$	ECOPA	AND	ANAI VOIC	REQUEST	
4//V Or	. 6031	o_{DIR}	COND	MIYU.	ANALISIS	AEQUES!	

101 East Marland, Hobbs, NM 88240 Project Manager: Amber Cannon Project Name: Dolores All, Federal Battery Project#: 30-015-26547 Company Name Yates Petroleum Corporation Project Loc: Eddy County Company Address: 105 South 4th Street 1032020 City/State/Zip: Artesia, NM 88210 PO#: Report Format: X Standard TRRP NPDES Telephone No: 575-748-4111 Fax No: Camon Sampler Signature: Limber acannon@vatespetroleum.com e-mail: Analyze For: "no use only) TCLP: order#: H301096 TOTAL: Preservation & # of Containers BTEX 8021B/5030 or BTEX 8260 RUSH TAT (Pre-Schedule) 24, only) Na, K) N.O.R.M. FIELD CODE 12:00 PM D-1' 5/6/2013 S 2' X 5/6/2013 12:00 PM S D-2' 3 3' S D-3' 5/6/2013 12:00 PM D-4' 4' 12:00 PM S 5/6/2013 X S D-5' 5' 5' 5/6/2013 12:00 PM X 12:00 PM D-6' 5/6/2013 TPH: 8015B, BTEX: 8021B & Chlorides. Please show BTEX results as mg/kg. Please put chlorides Special instructions: Laboratory Comments: Sample/Containers Intact? on a separate report Thank you. VOCs Free of Headspace? Eabels on container(s) Custody seals on container(s) Custody seals on container(s) Relinquished by: Date N N N Lone Star Sample Hand Delivered by Sampler/Client Rep. ? by Courier? UPS DHL Relinquished by: Time Date Date Relinquished by: Time Received by ELOT: Temperature Upon Receipt:



May 10, 2013

Artesia, NM 88210

AMBER CANNON Yates Energy Petroleum Corp 105 S 4th Street

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Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celes & Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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Fax To:

(505) 748-4635

Received:

05/08/2013

Sampling Date:

05/06/2013

Reported:

05/10/2013

Sampling Type:

Soil

Project Name:

DELORES AIL FEDERAL BATTERY

Sampling Condition:

Cool & Intact

Project Number:

30-015-26547

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY

Sample ID: D-1' (H301096-01)

BTEX 8021B	mg	/kg	Analyz	ed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2013	ND	2.16	108	2.00	4.05	
Toluene*	<0.050	0.050	05/10/2013	ND	1.98	98.8	2.00	3.36	
Ethylbenzene*	< 0.050	0.050	05/10/2013	ND	2.14	107	2.00	2.83	
Total Xylenes*	< 0.150	0.150	05/10/2013	ND	6.19	103	6.00	2.61	
Total BTEX	<0.300	0.300	05/10/2013	ND				•	
Surrogate: 4-Bromofluorobenzene (PIL	108 9	% 89.4-12	6						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/09/2013	ND	210	105	200	0.918	
DRO >C10-C28	14.4	10.0	05/09/2013	ND	205	102	200	0.533	
Surrogate: 1-Chlorooctane	95.49	% 65.2-14	0	ne T					
Surrogate: 1-Chlorooctadecane	103 %	63.6-15	1						

Cardinal Laboratories

*=Accredited Analyte

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Celeg Di Kune



Yates Energy Petroleum Corp AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

05/08/2013

Sampling Date:

05/06/2013

Reported:

05/10/2013

Sampling Type:

Soil

Project Name:

DELORES AIL FEDERAL BATTERY

Sampling Condition:

Cool & Intact

Project Number: Project Location: 30-015-26547 **EDDY COUNTY** Sample Received By:

Jodi Henson

Sample ID: D-2' (H301096-02)

BTEX 8021B	mg	/kg	Analyz	ed By: AP			<u></u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2013	ND	2.16	108	2.00	4.05	
Toluene*	<0.050	0.050	05/10/2013	ND ·	1.98	98.8	2.00	3.36	
Ethylbenzene*	< 0.050	0.050	05/10/2013	ND	2.14	107	2.00	2.83	
Total Xylenes*	<0.150	0.150	05/10/2013	ND	6.19	103	6.00	2.61	
Total BTEX	<0.300	0.300	05/10/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	105 9	% 89.4-12	6						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/09/2013	ND	210	105	200	0.918	
DRO >C10-C28	<10.0	10.0	05/09/2013	ND	205	102	200	0.533	
Surrogate: 1-Chlorooctane	95.69	65.2-14	0						
Surrogate: 1-Chlorooctadecane	99.7 9	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celey & Keens



Yates Energy Petroleum Corp AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

05/08/2013

Sampling Date:

05/06/2013

Reported:

Sampling Type:

Soil

Project Name:

05/10/2013 DELORES AIL FEDERAL BATTERY

Sampling Condition:

Cool & Intact

Project Number:

30-015-26547

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY

Sample ID: D-3' (H301096-03)

BTEX 8021B	mg,	/kg	Analyze	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	05/10/2013	ND	2.16	108	2.00	4.05			
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Total Xylenes*	<0.150	0.150	05/10/2013	ND	6.19	103	6.00	2.61			
Total BTEX	<0.300	0.300	05/10/2013	ND							
Surrogate: 4-Bromofluorobenzene (PIL	108 9	6 89.4-12	6								
TPH 8015M	mg/	kg	Analyze	d By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<10.0	10.0	05/09/2013	ND	210	105	200	0.918			
DRO >C10-C28	<10.0	10.0	05/09/2013	ND	205	102	200	0.533			
Surrogate: 1-Chlorooctane	90.89	65.2-140	9								
Surrogate: 1-Chlorooctadecane	96.69	63.6-154	#								

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*=Accredited Analyte

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Celeg L. Keine



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05/10/2013

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Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY

Sample ID: D-4' (H301096-04)

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DRO >C10-C28	<10.0	10.0	05/09/2013	ND	205	102	200	0.533	
Surrogate: 1-Chlorooctane	90.6 %	65.2-140)				A A A A A A A A A A A A A A A A A A A		
Surrogate: 1-Chlorooctadecane	93.3 %	63.6-154	!						

Cardinal Laboratories

*=Accredited Analyte

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DELORES AIL FEDERAL BATTERY

Sampling Condition:

Cool & Intact

Project Number:

30-015-26547

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY

Sample ID: D-5' (H301096-05)

BTEX 8021B	mg,	/kg	Analyze	ed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050 0.050		05/10/2013	ND	2.16	108	2.00	4.05	
Toluene*	<0.050 0.050		05/10/2013	ND	1.98	98.8	2.00	3.36	
Ethylbenzene*	<0.050 0.050		05/10/2013	ND	2.14	107	2.00	2.83	
Total Xylenes*	<0.150 0,150		05/10/2013	ND	6.19	103	6.00	2.61	
Total BTEX	<0.300	0.300	05/10/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	108 9	% 89.4-12	6						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/09/2013	ND	210	105	200	0.918	
DRO >C10-C28	<10.0 10.0		05/09/2013	ND	205	102	200	0.533	
Surrogate: 1-Chlorooctane	94.8 %	65.2-140)				· · · · · · · · · · · · · · · · · · ·		
Surrogate: 1-Chlorooctadecane	100%	63.6-154	4						

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*=Accredited Analyte

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Celeg & Keine



Yates Energy Petroleum Corp AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

05/08/2013

Sampling Date:

05/06/2013

Reported:

05/10/2013

Sampling Type:

Soil

Project Name:

DELORES AIL FEDERAL BATTERY

Sampling Condition:

Cool & Intact

Project Number:

30-015-26547

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY

Sample ID: D-6' (H301096-06)

BTEX 8021B	mg,	/kg	Analyze	ed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050 0.050 <0.050 0.050		05/10/2013	ND	2.16	108	2.00	4.05	
Toluene*			05/10/2013	ND	1.98	98.8	2.00	3.36	
Ethylbenzene*	<0.050	0.050	05/10/2013	ND	2.14	107	2.00	2.83	
Total Xylenes*	<0.150 0.150		05/10/2013	ND	6.19	103	6.00	2.61	
Total BTEX	<0.300	0.300	05/10/2013	ND _.					
Surrogate: 4-Bromofluorobenzene (PIL	107 %	6 89.4-12	6						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/09/2013	ND	210	105	200	0.918	
DRO >C10-C28	.0-C28 <10.0 10.0 05/09/20		05/09/2013	ND	205	102	200	0.533	
Surrogate: 1-Chlorooctane	88.8 %	6 65.2-146	· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·			
Surrogate: 1-Chlorooctadecane	87.2 %	63.6-154	<i>‡</i>						

Cardinal Laboratories

*=Accredited Analyte

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Celeg & Keene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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Celen & Keene

ARDINAL LABORATORIES

CHAIN OF CUSTODY RECORD AN	ND ANALYSIS REQUES
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	. 101 East Marla	nd, Hobbs, NM 88240		(5	05) 393-2326 F	AX (505) 393-24	476									•					:									<u>5</u>	
1	Project Manager:	Amber Cannon			· ·			····.							Project Name						me: Dolores AlL Federal Battery										
(Company Name	Yates Petroleum Corpo	ration										_ Project#					#:30-015-26547										Į.			
	Company Address:	105 South 4th Street			· .) 1							_ Project Loc:					: Eddy County									···	_ 		
	City/State/Zip:	Artesia, NM 88210		· · · ·	<u> </u>								PO#					#: 1032020							!			_			
	Telephone No:	575-748-4111				Fax No:	Fax No:					_	Report I	×] Sta	andaı	rd	TRRP					NPI	DES							
	Sampler Signature	: amber Car	mor	1		e-mail:	Ì	aca	nn	on(@ya	ates	speti	role	<u>um</u>	.com					;										
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[AB# (lab use only)	FII	ELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO,	HCI H SO	NaOH	Na ₂ S ₂ O ₃	None Other (Specify)	DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Soild NP=Non-Potable Specify Other	TPH: 418.1 8015M 80	гРН: ТХ 1005 ТХ 1006	Cations (Ca, Mg, Na, K)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	col	v.o.r.m.	Chlarides	OAK	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT	
1		D-1'	1'	1'	5/6/2013	12:00 PM	_	1		7		Ť	11		Ţ	s	Х			۲	1	T		X	Ň		X	1	1	x	
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b	<u> </u>	D-6'	6'	6'	5/6/2013	12:00 PM	\vdash	1	X		-	+	+-	\vdash	+	<u>s</u>	X	<u> </u>	\dashv	+	- -	+	+-	×	\vdash	\vdash	X		+-'	Х	
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pecial	Instructions:	TPH: 8015B, B on a separate r				s. Please sh	now	ВТ	EX	resu	llts a	as m	g/kg.	Ple	ase	put ch	lorid	les	Sar	iplei	Cont	aine	imen is loi adsp	act?			(L N		
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August 29, 2013

AMBER CANNON
YATES PETROLEUM CORPORATION
105 S 4th Street
Artesia, NM 88210

RE: DOLORES AIL FEDERAL #1 (TIN HORN)

Enclosed are the results of analyses for samples received by the laboratory on 08/23/13 12:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keene

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

08/23/2013

Sampling Date:

08/22/2013

Reported:

08/29/2013

Sampling Type:

Soil

Project Name:

DOLORES AIL FEDERAL #1 (TIN HORN)

Sampling Condition:

Cool & Intact

Project Number:

30-015-26547

Sample Received By:

Jodi Henson

Project Location:

Analyte

EDDY COUNTY, NM

Sample ID: DOLORES 2-1 (H302033-01)

Chloride, SM4500CI-B

Analyzed By: DW

% Recovery 104

% Recovery

104

104

True Value QC

Qualifier

Chloride

Chloride

Chloride

Chloride

Result 3200

Result

3600

Result

2080

Reporting Limit 16.0

Reporting Limit

16.0

Analyzed 08/28/2013

Analyzed

08/28/2013

Method Blank ND

BS 416

BS

416

400

RPD

3.92

RPD

3.92

Sample ID: DOLORES 2-2 (H302033-02)

Chloride, SM4500Cl-B

Analyte

Analyte

Analyzed By: DW

Method Blank

ND

True Value QC

400

Qualifier

Sample ID: DOLORES 2-3 (H302033-03) Chloride, SM4500CI-B

Analyzed By: DW

Reporting Limit

16.0

Analyzed 08/28/2013

Analyzed

08/28/2013

Method Blank ND

ND

BS 416 % Recovery

True Value QC

400

Oualifier RPD

3.92

Sample ID: DOLORES 2-4 (H302033-04)

Chloride, SM4500CI-B

mg/kg

Analyzed By: DW

Analyte Result Reporting Limit 4120 16.0

Method Blank

BS 416 % Recovery 104

True Value QC 400

RPD 3.92 Qualifier

Cardinal Laboratories

*=Accredited Analyte

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Celen & Kreene Celey D. Keene, Lab Director/Quality Manager

Page 2 of 6



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

08/23/2013

Sampling Date:

08/22/2013

Reported:

08/29/2013

Sampling Type:

Soil

Project Name:

DOLORES AIL FEDERAL #1 (TIN HORN)

Sampling Condition:

Cool & Intact

Project Number:

30-015-26547

Sample Received By:

Jodi Henson

Project Number:

EDDY COUNTY, NM

Sample ID: DOLORES 2-5 (H302033-05)

Chloride, SM4500CI-B	mg	1/kg	Analyz	ed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	08/28/2013	ND	416	104	400	3.92	
Sample ID: DOLORES 2-6 (H	302033-0	5)							
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0 16.0 08/28/2013 ND				416	104	400	3.92	
Sample ID: DOLORES 3-1 (H	302033-07	')							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Result Reporting Limit Analyzed Method Blan		Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	08/28/2013	ND	416	104	400	3.92	
Sample ID: DOLORES 3-2 (H	302033-08)							
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1100	16.0	08/28/2013	ND	416	104	400	3.92	
Sample ID: DOLORES 3-3 (H3	302033-09)							
oumple in Doconzo o 5 (iii				d By: DW					
•	mg/	kg	Analyze	3 57. 511					
Chloride, SM4500Cl-B	mg / Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

Cardinal Laboratories

*=Accredited Analyte

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Celeg & Keene

Celey D. Keene, Lab Director/Quality Manager



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street

Applicant Rvs DW

Artesia NM, 88210 Fax To:

(505) 748-4635

Received:

08/23/2013

Sampling Date:

08/22/2013

Reported:

Chlorida CM4500CL-B

08/29/2013

Sampling Type:

Soil

Project Name:

DOLORES AIL FEDERAL #1 (TIN HORN)

Sampling Condition:

Cool & Intact

Project Number:

30-015-26547

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: DOLORES 3-4 (H302033-10)

Chloride, SM4500Cl-B	mg	/kg	Analyz	ed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9040	16.0	08/29/2013	448	112	400	3.64		
Sample ID: DOLORES 1-	1 PAD (H30203	33-11)							
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	08/29/2013	ND	448	112	400	3.64	
Sample ID: DOLORES 1-2	2 PAD (H30203	3-12)							
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	08/29/2013	ND	448	112	400	3.64	
Sample ID: DOLORES 2-1	L PAD (H30203	3-13)							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2160	16.0	08/29/2013	ND	448	112	400	3.64	
Sample ID: DOLORES 2-2	PAD (H30203:	3-14)							
hloride, SM4500CI-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	08/29/2013	ND	448	112	400	3.64	

Cardinal Laboratories

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Celey & Keene

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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Celen D. Keere

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

(505) 393-2326 FAX (505) 393-2476

	Project Manager:	Amber Cannon									Proj	Project Name:Do							Dolores AlL Federal #1 (Tin Horn)											
	Company Name	Yates Petroleun	n Corporation														Project#:					30-015-26547								
	Company Address:	105 South 4th Street										Project Loc:						Eddy County												
	City/State/Zip:	Artesia, NM 88	8210		<u> </u>								PO#:						103-2020											
	Telephone No:	575-748-4111	or 575-513-8	799			Fax No:	575-748-4131								Report Format: X Stand							ard TRRP NPDES							
	Sampler Signature:	amb	ex Co	nn	3		e-mail:	3	acar	าทอเ	n@:	yate	espe	etrol	eur	n.com														
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